



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/035,587	12/28/2001	Guy L. Steele JR.	6502.0369	2874

22852 7590 06/03/2005

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER  
LLP  
901 NEW YORK AVENUE, NW  
WASHINGTON, DC 20001-4413

EXAMINER
----------

MAI, TAN V

ART UNIT	PAPER NUMBER
----------	--------------

2193

DATE MAILED: 06/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/035,587

Applicant(s)

STEELE, GUY L.

Examiner

Tan V. Mai

Art Unit

2193

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 02/18/05.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-47 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3 and 5-47 is/are rejected.
- 7) ☒ Claim(s) 4 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 2/18/05 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>11/411/23&amp;12/23/05</u> . | 6) <input type="checkbox"/> Other: _____  |

Art Unit: 2193

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

2. Claims 1-3 and 5-47 are rejected under 35 U.S.C. 103(a) as being unpatentable over Huang et al (Applicant's admission Prior Art).

Rejection grounds continue to be those set forth in the previous office action (Paper No. dated 10/22/04, paragraph 6).

3. Claims 1-3 and 5-47 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lynch et al (Applicant's admission Prior Art).

Rejection grounds continue to be those set forth in the previous office action (Paper No. dated 10/22/04, paragraph 7).

4. Applicant's arguments filed on 2/18/05 have been fully considered but they are not persuasive.

Applicant, in his remarks, argues that:

(1). "[r]egarding Claim 1, the Examiner stated that Huang does not specifically disclose the claimed analysis circuit that receives a plurality of operands each of which having encoded status flag information. (See Office Action, page 3, lines 20-22.) In addition, the Examiner merely states that this missing element would be obvious to a person having ordinary skill in the art. (See Office Action, page 4, lines 2-6.) As a result, Applicant respectfully suggests that the Examiner has failed to make a prima facie case of obviousness. In order to make a prima facie case of obviousness, the Examiner must set forth prior art which teaches or suggests every claim limitation" ; and

(2). "[r]egarding Claim 1 , the Examiner stated that Lynch does not specifically disclose the claimed analysis circuit that receives a plurality of operands each of which having encoded status flag information. (See Office Action, page 5, lines 5-7.) In addition, the Examiner merely states that this missing element would be obvious to a person having

ordinary skill in the art. (See Office Action, page 5, lines 10-15.) As a result, Applicant respectfully suggests that the Examiner has failed to make a prima facie case of obviousness. In order to make a prima facie case of obviousness, the Examiner must set forth prior art which teach or suggest every claim limitation" (emphasis added).

With respect to the arguments, the examiner carefully reviews all the applied references and the claimed invention.

First, in the previous office action (Paper No. dated 10/22/04, paragraph 6), it is stated "[h]owever, Huang et al do disclose X and Y operand registers each includes a **special operand indicator** which is stored a special operand of a predetermine set of special operands. Therefore, the Huang et al's feature is equivalent to the claimed '**encoded status flag** information'" (page 3, line 122 to page 4, line 2). The statement does discuss the equivalent function(s) of "missing element". Therefore, the rejection is still proper.

Second, in the previous office action (Paper No. dated 10/22/04, paragraph 7), it is stated "[h]owever, Lynch et al do disclose the equivalent function, e.g., see Abstract, '[b]y appending tag values to each floating point number, the floating point unit can quickly determine which floating point numbers are special floating point numbers and the type of special floating point number'" (page 5, lines 7-10). The statement does discuss the equivalent function(s) of "missing element". Therefore, the rejection is still proper.

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).


A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan V. Mai whose telephone number is (571) 272-3726. The examiner can normally be reached on Mon-Wed and Fri. from 9:30am to 2:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki, can be reached on (571) 272-3719. The fax phone number for the organization where this application or proceeding is assigned is:

Official (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2100.

  
Tan V. Mai  
Primary Examiner